

# MECHANISMS OF AGEING AND DEVELOPMENT

## AUTHOR INDEX

### Volume 39

Allen, R.E.	121	Grzelińska, E.	245	Nediani, C.	59
Anzai, K.	129	Goldspink, D.F.	189	Negoro, S.	263
Armbrrecht, H.J.	91	Gondko, R.	245	Nichols, W.W.	203
		Goto, S.	129	Nishimoto, N.	263
Bartos, G.	245				
Benoist, H.	21	Hara, H.	263	Pahlavani, M.A.	137
Berti, A.	59	Harmon, H.J.	281		
Bertrand, F.	21	Hart, R.W.	177	Ramponi, G.	59
Biakou, D.	21	Holehan, A.M.	189	Richardson, A.	137
Blanco, P.	11	Hosick, H.L.	147	Robison, Jr. W.G.	81
Bradley, M.O.	203				
Burns, F.J.	233	Jones, W.	147	Saiki, O.	263
				Sargent, E.V.	233
Castro, J.	1	Katz, M.L.	81	Satruestegui, J.	11
Cervos-Navarro, J.	223	Kishimoto, S.	263	Sauder, D.N.	69
Cheung, H.T.	137	Kolb, N.	29	Segni, M.	29
Choi, K.L.	69			Skeivys, S.J.	45
Choongkittaworn, N.	147	Lewis, S.E.M.	189	Sletvold, O.	251
Cucchiari, L.	29	Liguri, G.	59	Soszyński, M.	245
				Stocchi, V.	29
Degl'Innocenti, D.	59	Machado, A.	11	Szabo, E.I.	103
Desplaces, A.	21	Magnani M.	29		
Dodson, M.V.	121	Manzelmann, M.S.	281	Tanaka, T.	263
Doubek, W.G.	91	Martinez, A.O.	1	Terner, C.	103
Dufer, J.	21	Mayer, P.J.	203	Tremori, E.	59
		Merry, B.J.	189	Trombetta, L.D.	45
Eldred, G.E.	81	Michalak, W.	245		
		Miyata, S.	263	Vara, C.	1
Fenech, M.	113	Morley, A.A.	113		
Fornaini, G.	29	Moses, M.A.	103	Yoshizaki, K.	263
Frydl, V.	223				
				Zimmerman, J.A.	45
Gaczyńska, M.	245	Nakamura, K.D.	177		
Gertz, H.J.	223	Nassi, P.	59		



## MECHANISMS OF AGEING AND DEVELOPMENT

### SUBJECT INDEX

Volume 39 (1987)

- Acylphosphatase levels, ageing, human erythrocytes, 59
- Aged persons, T cell subsets, age-related change, CD8 positive T cell subset, proliferative response, predominant defect, 263
- Ageing, antibody dependent cellular cytotoxicity, blastogenic response, antibody response, murine mammary tumor virus, T lymphocytes, 21
- Ageing, cytokinesis-block micronucleus assay, human lymphocytes, X-irradiation, 113
- Ageing, human erythrocytes, acylphosphatase levels, 59
- Ageing, mitochondria, Rhodamine 123, human fibroblast, 1
- Age, lymph node, morphology, histometric, rat, 137
- Age-related changes, T cell subsets, CD8 positive T cell subset, proliferative response, predominant defect, aged persons, 263
- Aging, blood leukocytes, Circadian rhythm, mice, 251
- Aging, cAMP-phosphodiesterase, prostate, heart, cAMP-phosphodiesterase inhibitor, 103
- Aging, glucose transport, intestine, brush border membranes, rat, 91
- Aging, heart mitochondria, cytochromes, respiration, phosphorylation, proton translocation, 281
- Ageing, lipofuscin, retinol, retina, fluorescence, thin-layer chromatography, 81
- Aging, mouse, anoxia, heart, ultrastructure, mitochondria, 45
- Ageing, mouse brain-specific small RNA, Northern blot hybridization, development, 129
- Aging, muscle, insulin-like growth factor, 121
- Aging, proto oncogenes, *erbB*, primate fibroblasts, 177
- Aging, vascular convolutes, arterioles, 223
- Allergic contact dermatitis, Langerhans cells, 69
- Anoxia, mouse, heart, ultrastructure, mitochondria, aging, 45
- Antibody dependent cellular cytotoxicity, ageing, blastogenic response, antibody response, murine mammary tumor virus, T lymphocytes, 21
- Antibody response, ageing, antibody dependent cellular cytotoxicity, blastogenic response, murine mammary tumor virus, T lymphocytes, 21
- Arterioles, vascular convolutes, aging, 223
- Blastogenic response, ageing, antibody dependent cellular cytotoxicity, antibody response, murine mammary tumor virus, T lymphocytes, 21
- Blood leukocytes, Circadian rhythm, mice, aging, 251
- Brush border membranes, glucose transport, intestine, aging, rat, 91
- cAMP-phosphodiesterase, aging, prostate, heart, cAMP-phosphodiesterase inhibitor, 103
- cAMP-phosphodiesterase inhibitor, aging, cAMP-phosphodiesterase, prostate, heart, 103
- CD8 positive T cell subset, T cell subsets, age-related changes, proliferative response, predominant defect, aged persons, 263
- Circadian rhythm, blood leukocytes, mice, aging, 251
- Collagen gels, mouse mammary organoids, serial passages, 147
- Cytochromes, heart mitochondria, respiration, aging, phosphorylation, proton translocation, 281
- Cytokinesis-block micronucleus assay, ageing, human lymphocytes, X-irradiation, 113
- Development, mouse brain-specific small RNA, Northern blot hybridization, ageing, 129
- Dietary restriction, protein synthesis, liver, nucleic acids, protein mass, 189
- DNA damage, *in vitro* aging, DNA repair, hypothermia, hyperthermia, human diploid fibroblasts, 203
- DNA repair, early effects, late effects, ultraviolet light, epidermis, 233
- DNA repair, *in vitro* aging, DNA damage,

- hypothermia, hyperthermia, human diploid fibroblasts, 203
- Early effects, late effects, ultraviolet light, DNA repair, epidermis, 233
- Electron spin resonance, erythrocyte aging, phosphate transport, spin label, 245
- Epidermis, early effects, late effects, ultraviolet light, DNA repair, 233
- erbB*, proto oncogenes, primate fibroblasts, aging, 177
- Erythrocyte aging, phosphate transport, spin label, electron spin resonance, 245
- Erythrocytes aging, reticulocytes maturation, nucleotides, 29
- Fluorescence, lipofuscin, retinol, retina, aging, thin-layer chromatography, 81
- Glucose transport, intestine, aging, brush border membranes, rat, 91
- Glutathione-S-transferase, hyperoxia, NADPH-cytochrome *c* reductase, superoxide dismutase, 11
- Heart, aging, cAMP-phosphodiesterase, prostate, cAMP-phosphodiesterase inhibitor, 103
- Heart mitochondria, cytochromes, respiration, aging, phosphorylation, proton translocation, 281
- Heart, mouse, anoxia, ultrastructure, mitochondria, aging, 45
- Histometric, age, lymph node, morphology, rat, 137
- Human diploid fibroblasts, *in vitro* aging, DNA repair, DNA damage, hypothermia, hyperthermia, 203
- Human erythrocytes, ageing, acylphosphatase levels, 59
- Human fibroblast, ageing, mitochondria, Rhodamine 123, 1
- Human lymphocytes, cytokinesis-block micronucleus assay, ageing, X-irradiation, 113
- Hyperoxia, glutathione-S-transferase, NADPH-cytochrome *c* reductase, superoxide dismutase, 11
- Hypothermia, *in vitro* aging, DNA repair, DNA damage, hyperthermia, human diploid fibroblasts, 203
- Hyperthermia, *in vitro* aging, DNA repair, DNA damage, hypothermia, human diploid fibroblasts, 203
- Insulin-like growth factor, muscle, aging, 121
- Intestine, glucose transport, aging, brush border membranes, rat, 91
- In vitro* aging, DNA repair, DNA damage, hypothermia, hyperthermia, human diploid fibroblasts, 203
- Langerhans cells, allergic contact dermatitis, 69
- Late effects, early effects, ultraviolet light, DNA repair, epidermis, 233
- Lipofuscin, retinol, retina, aging, fluorescence, thin-layer chromatography, 81
- Liver, dietary restriction, protein synthesis, nucleic acids, protein mass, 189
- Lymph node, age, morphology, histometric, rat, 137
- Mice, blood leukocytes, Circadian rhythm, aging, 251
- Mitochondria, ageing, Rhodamine 123, human fibroblast, 1
- Mitochondria, mouse, anoxia, heart, ultrastructure, aging, 45
- Morphology, age, lymph node, histometric, rat, 137
- Mouse, anoxia, heart, ultrastructure, mitochondria, aging, 45
- Mouse brain-specific small RNA, Northern blot hybridization, development, ageing, 129
- Mouse mammary organoids, collagen gels, serial passages, 147
- Murine mammary tumor virus, ageing, antibody dependent cellular cytotoxicity, blastogenic response, antibody response, T lymphocytes, 21
- Muscle, insulin-like growth factor, aging, 121
- NADPH-cytochrome *c* reductase, hyperoxia, glutathione-S-transferase, superoxide dismutase, 11
- Northern blot hybridization, mouse brain-specific small RNA, development, ageing, 129
- Nucleic acids, dietary restriction, protein synthesis, liver, protein mass, 189
- Nucleotides, reticulocytes maturation, erythrocytes aging, 29
- Phosphate transport, erythrocyte aging, spin label, electron spin resonance, 245
- Phosphorylation, heart mitochondria, cytochromes, respiration, aging, proton translocation, 281
- Predominant defect, T cell subsets, age-related changes, CD8 positive T cell subset, proliferative response, aged persons, 263

- Primate fibroblasts, proto oncogenes, *erbB*, aging, 177
- Proliferative response, T cell subsets, age-related changes, CD8 positive T cell subset, predominant defect, aged persons, 263
- Prostate, aging, cAMP-phosphodiesterase, heart, cAMP-phosphodiesterase inhibitor, 103
- Protein synthesis, dietary restriction, liver, nucleic acids, protein mass, 189
- Proton translocation, heart mitochondria, cytochromes, respiration, aging, phosphorylation, 281
- Proto oncogenes, *erbB*, primate fibroblasts, aging, 177
- Rat, age, lymph node, morphology, histometric, 137
- Rat, glucose transport, intestine, aging, brush border membranes, 91
- Respiration, heart mitochondria, cytochromes, aging, phosphorylation, proton translocation, 281
- Retina, lipofuscin, retinol, aging, fluorescence, thin-layer chromatography, 81
- Reticulocytes maturation, erythrocytes aging, nucleotides, 29
- Retinol, lipofuscin, retina, aging, fluorescence, thin-layer chromatography, 81
- Rhodamine 123, ageing, mitochondria, human fibroblast, 1
- Serial passages, mouse mammary organoids, collagen gels, 147
- Spin label, erythrocyte, aging, phosphate transport, electron spin resonance, 245
- Superoxide dismutase, hyperoxia, glutathione-S-transferase, NADPH-cytochrome *c* reductase, 11
- T cell subsets, age-related changes, CD8 positive T cell subset, proliferative response, predominant defect, aged persons, 263
- Thin-layer chromatography, lipofuscin, retinol, retina, aging, fluorescence, 81
- T lymphocytes, ageing, antibody dependent cellular cytotoxicity, blastogenic response, antibody response, murine mammary tumor virus, 21
- Ultrastructure, mouse, anoxia, heart, mitochondria, aging, 45
- Ultraviolet light, early effects, late effects, DNA repair, epidermis, 233
- Vascular convolutes, arterioles, aging, 223
- X-irradiation, cytokinesis-block micronucleus assay, ageing, human lymphocytes, 113





